

5

100

J. Lepina
Deputy

File No.

T. R.

DUPLICATE

County Cascade

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARDNotice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

Top of Ground

(Elev. above sea level.....)

0-20' Clay
20'-40' Sandstone
40'-52' Shaly Sandstone
52'-60' Heavy Shale
60'-72' Hard Red Rock
72'-85' Red Shale
85'-92' Hard Sandstone
92'-110' Medium Hard Sandstone
110'-122' Shaly Sandstone
122'-130' Sandstone
130'-142' Hard Red Rock
142'-156' Med. Hard Red Shale
156'-165' Hard Sandstone
165'-178' Shaly Sandstone
178'-185' Med. Hard Sandstone
185'-192' Hard Sandstone
192'-205' Med. Hard Red Shale
205'-212' Hard Red Rock
212'-225' Red Shale
225'-232' Hard Sandstone

232'-242' Heavy Shale

242'-252' Hard Sandstone

252'-260' Heavy Shale

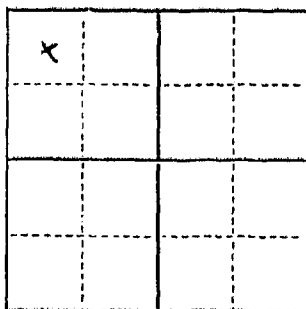
260'-275' Water Bearing Sandstone

275'-300' Heavy Shale

Owner Thad Winters Address Great Falls, Mont.
 Driller Thomas B. Franklin Address Great Falls, Mont.
 Date of Notice of appropriation of groundwater Aug. 15, 1969
 Date well started Aug. 28, 1969 Date completed Sept. 15, 1969
 Type of well Drilled Equipment used inlets tools
 (Dug, driven, bored or drilled) (Churn drill, rotary or other)
 Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
 Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7 1/2"	6" D.S. 14 lbs per ft.	Surface	210	1/4" x 3/8"	170	210
				Blotched		



Static Water Level for non-flowing well 170 feet.

Shut-in Pressure for Flowing Well None

Pumping Water Level 3.00 feet

at 6 gal. per minute.

Discharge in gal. per min. of flowing well

..... None

How tested Bailer

Length of Test 2 hrs.

Remarks: (Gravel packing, cementing, pack-

ers, type of shutoff) None

Doc. No. 5321

Filed for record

this 5th day of May

A. D. 19 70, at 12:30

o'clock P.M.

Indicate location of well and place of use, if possible. Each small square represents 40 acres.

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Irrigation of lot or lots

Show exact depth of bottom.

300

This form to be prepared by drill, 2, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

84
Driller's License Number

Thomas B. Franklin
Driller's Signature.

46430

5221

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on

MAY 5 1976

Date

at 12:30 o'clock P M.

J. L. LENNON

County Clerk and Recorder

By T. E. Baleman
Deputy.

File No.

T. 19 R. 38. S. 5

DUPLICATE

County Pondera

LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Top of Ground

(Elev. above sea level 607.8)

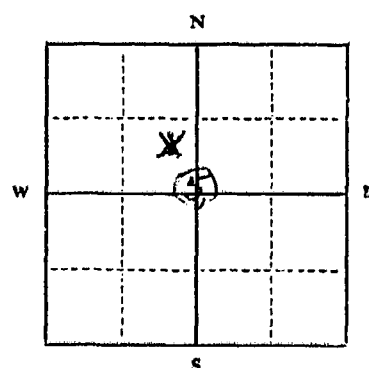
Notice of Completion of Groundwater
Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

Owner Glenn Connell Address Rt 1 West Great Falls, MontDriller Albert Wells Address Great Falls, MontDate of Notice of appropriation of groundwater 6-10-1942Date well started 6-5-1942 Date completed 6-10-1942Type of well Drilled Equipment used Drill
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☒
Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
4"	4" weight not known	0	13.2'	None	0	13.2'

Static Water Level for non-flowing well 15 feet from topShut-in Pressure for Flowing Well 2.5 lbsPumping Water Level 2.5 feetat 1.0 gal. per minute.

Discharge in gal. per min. of flowing well

with 1/2 H.P. motor 10 gal.with electric pump 300 gal tankHow Tested many timesLength of Test many times

Remarks: (Gravel packing, cementing, pack-

ers, type of shutoff) Gravel 1/2 H.P.electric pump pressuretank - automatic shutoff

58 1/2 Sec. 5 T. 19 R. 38
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Irrigate or sprinkler yard which is bigger than a city lot.

It has never been pumped dry.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Mr. Wells may have registered this well when he completed it. He is now deceased. I am guessing at the year it was drilled. 45, 230

Driller's License Number

Driller's Signature

5165

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on

MAY 9 1969

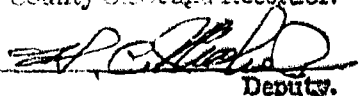
Date

3:30 o'clock P. M.

J. L. BENNON

County Clerk and Recorder.

By



Deputy.

File No.

T. 19 R. 38

DUPLICATE

County. Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater. 1938
Owner. Clara (S) Connell (S) Address. Rt 1 West Great Falls, Mont

Contractor (if any)

Address of Contractor

Date Started..... Date Completed.....

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable.

Natural Spring

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use. 1 gal per min.

Two gallon can & watch.

Two measures used for Lincatoch water.

Signature of Owner. Clara Connell (S) & Mary E. Connell.

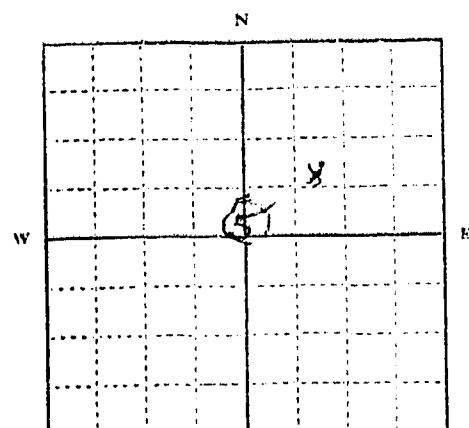
Date. 5-9-1969

This form to be prepared by contractor (if any). otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.



SW 1/4 Sec. 5 T. 19 R. 38

Indicate point of appropriation and place of use, if possible.

45,231

5167

STATE OF MONTANA,
County of Cascade.

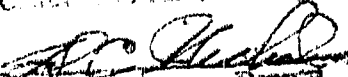
Hereby certify that the within
document was filed in this office on

MAY 9 1969

at 3:30 o'clock P.M.

J. L. BENNON

County Clerk and Recorder.

By  Deputy.

File No.

T. R.

DUPLICATE

County.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 22 1963

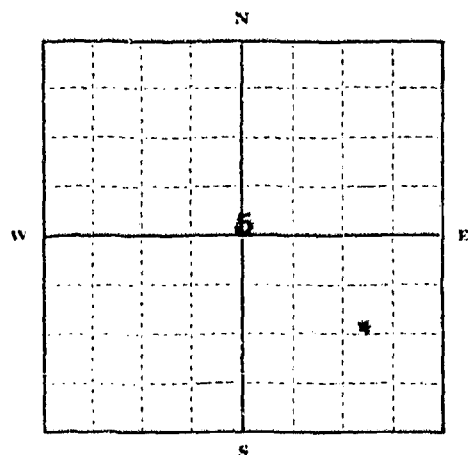
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

I, Richard L. & Catherine L. Locke, of P.O. Box 1007, St. Louis, Montana
(Name of Appropriator) (Address) (Town)

County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 5, T.12N, R.3E.

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based. household,
livestock, irrigation, garden, yard.
3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been. prior to 1960.
used continuously.
4. The amount of groundwater claimed (in miner's inches or gallons
per minute). fifty (50) gallons per minute.
5. If used for irrigation, give the acreage and description of the lands
to which water has been applied and name of the owner thereof.
five (5) acres, irrigated, adjacent
to well, owned by these applicants.
6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal. drilled
well, SW 1/4 Sec. 5, T.12N, R.3E.
7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater. Construction date unknown. Automatic electric pump
installed in 1960.
8. The depth of water table. sixty (60) feet.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other
works for the withdrawal of groundwater. drilled to 60 ft. water level at 60 ft.
water withdrawn with 110 volt jet pump. One P.T.
10. The estimated amount of groundwater withdrawn each year. 200,000 gal.
11. The log of formations encountered in the drilling of each well if available.
Not available.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including
reference to book and page of any county record.
Not applicable.

Signature of Owner. Richard L. Locke

Date. December 12, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is
located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau
of Mines and Geology, and Quadruplicate for the Appropriator.

12943

3619

STATE OF MONTANA,) ss.
County of Cascade

I do hereby certify that the within in-
strument was filed in this office on

DEC 19 1908

2:30 P.

Blair

File No.

DUPLICATE

T. 19 N. R. 3 E.

County. Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

**Notice of Completion of Groundwater Appropriation
Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater.....

Owner The Montana Power Co. Address 40 East Broadway
Butte, Montana 59701

Contractor (if any)

Address of Contractor

Date Started June 1, 1972 Date Completed June 15, 1972

Describe means of obtaining groundwater without a well "as by
sub-irrigation and other natural processes". Include depth to
water when applicable. Dug out springs and installed
collection pipes and put in a collection tank
and ran water into stock watering tank

Quantity of water developed and used with explanation of method
used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use.....

Measured the flow of the outlet pipe to
2/3 gallon per minute, (350,000 gallons per year.

The water to be used 12 months of the year
for stock watering.

Signature of Owner..... THE MONTANA POWER COMPANY

W. W. Tallant
Vice President

Date 7/2/73

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the
works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana
Bureau of Mines and Geology and Quadruplicate for the Appropriator.

5590

STATE OF MONTANA, ss.
County of Cascade.

I hereby certify that the within In-
strument was filed for record on

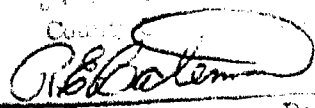
JUL 5 1973

8:57

A

Clerk

by



Deputy

8:02

File No.

T. 19N R. 3E

DUPLICATE

County Cascade

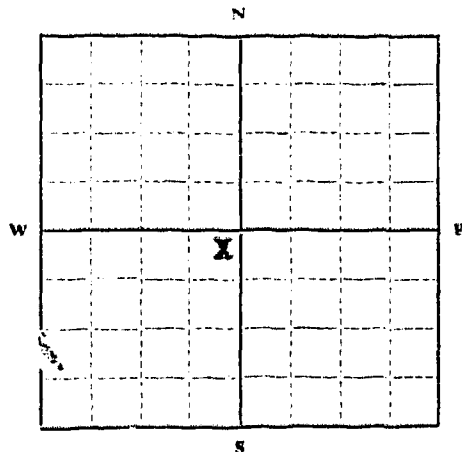
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED
STATE ENGINEER

1. The Montana Power Company of 40 East Broadway Butte
(Name of Appropriator) (Address) (Town)
County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 SW 1/4 Sec. 11 T. 19N R. 3E

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based.....
Livestock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been.....**1910**
4. The amount of groundwater claimed (in miner's inches or gallons per minute).....**5 gallons per minute - 24 hours per day**
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.....
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.....
Natural spring
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.....**1910**
8. The depth of water table.....
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.....
10. The estimated amount of groundwater withdrawn each year.....**3,000,000 gallons**
11. The log of formations encountered in the drilling of each well if available.....
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.....

(CORPORATE SEAL)

ATTEST:

[Signature]

Its Secretary

THE MONTANA POWER COMPANY

Signature of Owner By

[Signature]
Vice President

Date **February 1, 1962**

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropriator.

STATE OF MONTANA, } ss. #3089
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on
APR 12 1962

at 8:37 o'clock a.m.

J. L. LENNON
County Clerk and Recorder.

By [Signature] Deputy.

File No.

T. 19 R. 3 East

DUPLICATE

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

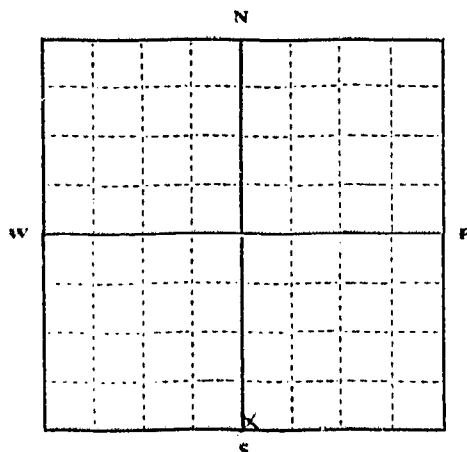
RECEIVED
JAN 5 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961) STATE ENGINEER

1. ALAN B. BOND & CHARLOTTE R. BOND, of Milligan Route, Great Falls,
(Name of Appropriator) (Address) (Town)

County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Lot 9

1/4 Sec. 12 T. 19 R. 3 East

Indicate point of appropriation
and place of use, if possible. Each
small square represents 10 acres.

2. The beneficial use on which the claim is based Household use.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continuous since at least 1944

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof N/A

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Unknown

8. The depth of water table Approximately 10 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 15' deep

10. The estimated amount of groundwater withdrawn each year 100,000 gallons

11. The log of formations encountered in the drilling of each well if available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Charlotte R. Bond

Date December 30, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

28171

4183

3126

p

H.C. Richard

55748

5587

CLERK OF DISTRICT COURT
COUNTY OF MONTANA, 68.
Cascade.
I hereby certify that the within in-
strument was filed in this office on
JUL 2 1973
at 12:00 o'clock 12 M
J. L. FINECH
County Clerk and Recorder
by R. B. Bateman Deputy
B

52.267

5453

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office or

JAN 18 1973

at 1:25 o'clock P.M.

J. L. LENNON

County Clerk and Recorder

J. L. Wilson
Deputy

County Cascade

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner John W. and/or Evelyn M. Nixon

Address

Date well started 4-8-1971

completed 4-12-1971

Type of well Drilled

(Dug, driven, bored or drilled)

Equipment used Churn drill

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

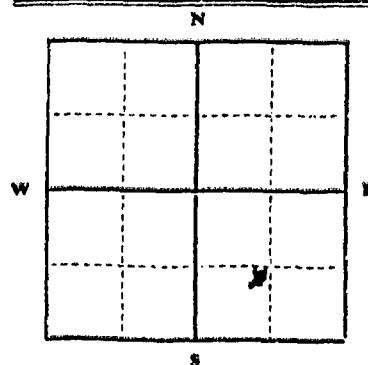
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

*Describe

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
5 1/2"	5-9/16	0	173	NOT PERFORATED



SW 1/4 SE 1/4 Sec. 12
T. 19N N.R. 3E E
S W

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature See attached sheet.

Driller's Address

LICENSE NO. 135

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	3	Top soil
3	32	Clay & sandstone
32	65	Br. Sand
65	172	Silt
172	173	Sandstone

173 Show exact depth of bottom

50,066

5345

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on
MAR 9 1972

at 11:50 o'clock P M

J. L. LENNON
County Clerk and Recorder.

J. L. Lennon
Deputy

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner John W. and/or Evelyn M. Nixon

Address Milligan Rd. Ed. Telle, Mont.

Date well started 4-8-1971
completed 4-12-1971

For Administrator's Use	
File <u>5345</u>	<u>March 9, 1972</u>
<u>1:15 p.m.</u>	
GW <u>1</u>	

Type of well Drilled
(Dug, driven, bored or drilled)

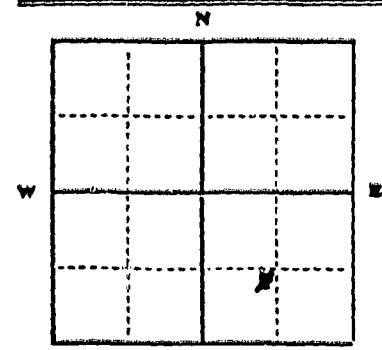
Equipment used Churn drill
(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe _____
USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL _____

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 1/2"	5-9/16	0	173	NOT PERFORATED		



Static water level 32 ft.*
Pumping water level 173 ft.*
at 1 gallons per minute,
measured 1 minutes after pumping began.
*Measured from ground level.
Well developed by 3 1/2 hours.
Power 1 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

SW 1/4, SE 1/4, Sec. 12
T. 12N, R. 3E

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature Pat Byrne

Driller's Address 2112 7th Ave SE

Ed. Telle, Mont. LICENSE NO. 135

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	32	top soil
32	173	clay sandstone
173	173	water

173 Show exact depth of bottom

59,066

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

John W. and/or Evelyn N. Nixon
Owner

Address Milligan Rt.

Gr. Falls, Montana

Date well started 6-12-1973

completed 6-16-1973

Type of well Drilled

(Dug, driven, bored or drilled)

Equipment used Churn drill

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

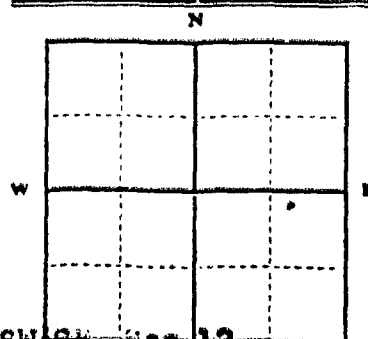
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

*Describe

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	7" 20'	0	51	Not perforated		



SW 1/4 Sec 12
T 19N R 3E S 5

1/4 Sec. 12
T 19N R 3E S 5

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature

Driller's Address Milligan Rt.

Gr. Falls, Montana

LICENSE NO.

County Cascade

DRILLER'S LOG 12

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground

(Elev. above sea level)

From (Feet)	To (Feet)	
0	30	Top soil, Broken sandrock, & Boulders
30	35	Gray sandstone
35	47	Brown sandstone
47	103	Gray hard shale water @ 83 23PM
103	107	Black sandstone
107	122	Hard gray shale
122	127	Hard yellow sandstone
127	135	Brown sandstone WATER

135 Show exact depth of bottom

STATE OF MONTANA. } ss.
County of Cascade.

I hereby certify that the within
document was filed in this office on

JUL 10 1973

at the

11:30

clock: P.

J. L. HARRISON

County Clerk and Recorder.

by

H. H. H.

Deputy.

5423

STATE OF MONTANA, } ss
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on

OCT 19 1972

Date

at 10:30 o'clock PM

J. L. LENNON

County Clerk and Recorder

By W. E. Baleman
Deputy.

County... San Diego

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the **owner** with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Roland G. and/or Jean H. Peterson

Owner

Address 3111 17th. Av.

Great Falls, Montana

Date well started 4-12-1972

completed 4-17-1972

Type of wellDrilled

.....
(Dug, driven, bored or drilled)

Equipment used Churn drill

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

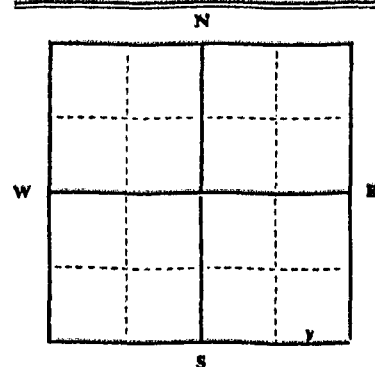
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

***Describe**

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7"	6-5/8"	0	71	Not perforated		



Static water level53.....ft.*
Pumping water level75.....ft.*
at15.....gallons per minute,
measuredminutes after pumping
began.

*Measured from ground level.

Well developed by Bailor.

for 2 hours.

Power..... Pump..... HP

Remarks: (Gravel packing, cementing,
packers, type of shutoff)

SW 1/4 SE 1/4 Sec 12

T. 121 N R. 3 E
S W

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.
EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driver's Signature

Driller's Address Great Falls Montana

LICENSE NO...135

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground

(Elev. above sea level)

From (Feet)	To (Feet)	
0	4	Top soil
4	27	Broken rock
27	45	Sandy soil
45	67	Broken sandstone water at 55
67	80	Sandstone clay

80 Show exact depth of bottom

59,330

5358

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on

MAY 4 1972

Date

at 12:45 o'clock P M

J. L. LENNON

County Clerk and Recorder

By

R. E. Baleman

Deputy

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Kenneth C. and/or Anna as owner

Owner

Address Milligan St.

City Falls, Mont.

Date well started 10-6-1-72

completed 10-12-1-72

Type of well Drilled

(Dug, driven, bored or drilled)

Equipment used Churn drill

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

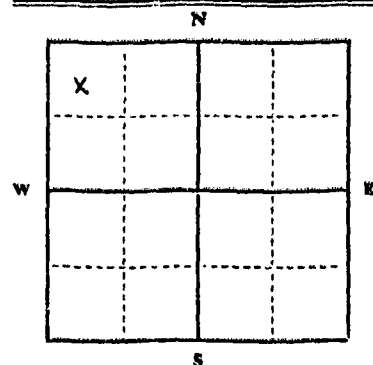
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
7"	6-5/8"	0	7'	Kind Size Not perforated
6-5/8"	Not cased			



Static water level 158 ft.*
Pumping water level 125 ft.*
at 20 gallons per minute,
measured minutes after pumping
began.

*Measured from ground level.
Well developed by bailer
for 2 hours.

Power Pump HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff)

N 1/4, 1/4 Sec. 13
T. 19 N. R. 3 E

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.
EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature

Driller's Address 2112-7th Ave. South

Falls, Montana

LICENSE NO. 135

County Jarvis

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground		
(Elev. above sea level)		
From (Feet)	To (Feet)	
0	15	Top soil sandy
15	37	Gray shale & broken Sandstone
37	44	Gray soft shale
44	48	Yellow clay
48	53	Gray shale - yellow clay
53	77	Variegated shale & rock Soap 77
77	120	Green hard limy shale
120	125	Gray sandstone
125	128	Yellow & brown sand- stone soft (WATER)

128 Show exact depth of bottom

51,968

5441

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on

DEC 5 1972

at

3:24 o'clock P. M.

J. L. LENNON

County Clerk and Recorder

by J. L. Lennon
Deputy

DECLASSIFIED

County.....San Diego, CA

13

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD
**NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL**

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the **owner** with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Kenneth C. and/or Edna Mae Palazzi

Owner

Address Milligan St.

Great Falls, Montana

Date well started 5-5-1972

completed 5-8-1972

Type of well **Drilled**

For Administrator's Use

File 5365

May 12, 1972 1:45 p.m.

GW 1

Equipment used Churn drill

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

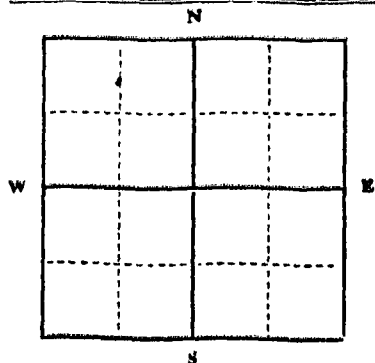
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

***Describe**

USE: If used for irrigation, industrial, drainage or other. Explain state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6-5/8"	6-5/8" 19	0	76	Not perforated		



Static water level52.....ft.*
Pumping water level73.....ft.*
at15.....gallons per minute,
measuredminutes after pumping
began.

*Measured from ground level.
Well developed by Miller
for 6 hours.

Power..... Pump..... HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff)

$N\frac{1}{2} \times N\frac{1}{2}$ Sec. 13

T. 19..... N R. 3..... E

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.
EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's SignatureDriller's Address 2112-7th Ave South

.....Gt. Falls, Montana

LICENSE NO....135

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground

(Elev. above sea level)

From (Feet)	To (Feet)	
0	5	Top soil
5	40	Grey soft clay
40	47	Brown broken rock
47	60	Brown sandy clay
60	78	Hard broken sandrock
78	86	Soft green shale

36

Show exact depth of bottom

50, 216

5365

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in the office of

MAY 17 1872

at 1.45 o'clock P. M

J. L. LEECH
County Clerk and Recorder.

By J. H. Wilson
Deputy.

RECEIVED

County.....San Diego.....

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD...

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner _____

Address William 10.

Wrens 1113, 0113 112

Date well started 5-5-1972

completed 2-21-72

Type of well

(Dug, driven, bored or drilled)

Equipment used 010011 02111

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

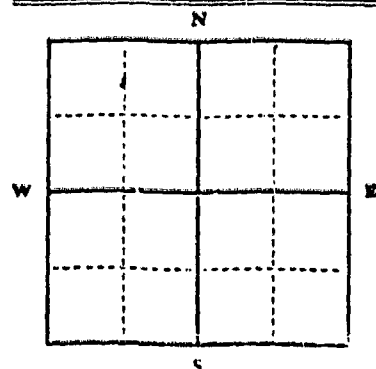
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

***Describe**

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6-5/8"	6-5/8" 12	0	76	Not perforated		



Static water level 32 ft.*
Pumping water level 33 ft.*
at 12 gallons per minute,
measured minutes after pumping
began.

*Measured from ground level.
Well developed by
for hours.

Power..... Pump..... HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff)

17 1/2 1/4 17 1/4 1/4 Sec. 13
T. 19 N. R. 5 E.
CS W.

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.
EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature

Driller's Address 212-15th St. S.W. Seattle

.....St. Louis, Mo...... LICENSE NO. 125

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground

(Elev. above sea level)

[illegible]

55 Show exact depth of bottom

50, 226

~~5266~~

?

5266

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in the office on

MAY 17 1972

at 1:45 o'clock P. M.

J. D. BROWN III

County Clerk and Recorder.

By J. H. Wilson
Deputy.

File No.

T. R. ...

DUPLICATE

County. ...

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 27 1963

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater... 1944
Owner... Tom Rada and Orvie Rada ... Millegan Route , Great Falls, Montana

Contractor (if any) ... none

Address of Contractor ... not applicable

Date Started... N A ... Date Completed... N A

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable... Surface Spring which flows from rocks which lay south of our present home.

This water is used for personal use as well as irrigation.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use...

According to average flow these springs will flow up to 2,000 gallons per day.

Signature of Owner... Tom Rada Orvie Rada

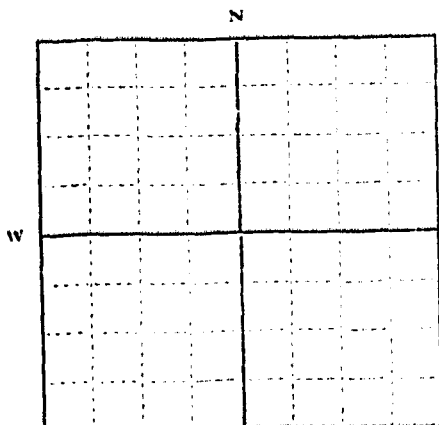
Date... December 23, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.



122W, NWNE S

1/4 Sec. 13... T19... R2E...

Indicate point of appropriation and place of use, if possible.

13057

3731

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on

_____ Date _____
at _____ o'clock _____

J. E. EDWINSON
County Clerk and Recorder.

By *[Signature]* Deputy.

File No.

T. 13 R. 3E

DUPLICATE

County Bozeman

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
DEC 27 1963

STATE ENGINEER
**Notice of Completion of Groundwater Appropriation
Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1944
Tom Rada and Millogan Route
Owner Orvie Rada Address Great Falls, Montana

Contractor (if any) none

Address of Contractor not applicable

Date Started N.A. Date Completed N.A.

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Surface Spring which flows

from Rocks which lay East of our present home.

This water is used to water stock and for irrigation

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use.....

According to average flow this spring will in

flush flow amount to 6,000 gallons per day

Signature of Owner Orvie Rada

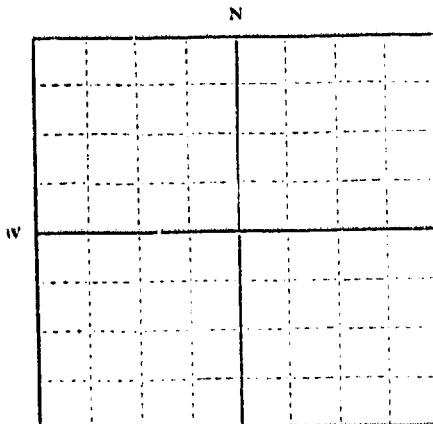
Date December 23, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.



Indicate point of appropriation and place of use, if possible.
SD 5

3729

STATE OF MONTANA, } ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on

DEC 23 1968

at 4:55 ^{Date}

J. L. LEMMON
County Clerk

By J. J. Johnson
Deputy

County San Diego 13

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the **owner** with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Forrest and/or Lauretta J. Stanfield

Owner

Address William St.

Great Falls, Montana

Date well started 10-16-1972

completed 10-19-1972

Type of welldrilled

(Dug, driven, bored or drilled)

Equipment used Chain drill

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

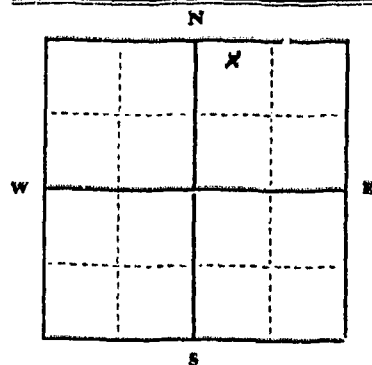
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*** Describe**

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
8"	6-5/8"	0	63	Not perforated		
6-5/8"	Not used	63	100			



NW 1/4 1/4 Sec. 13
 T. 124 N. R. 34 E.
 S. W.

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.
EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature [Signature]

Driller's Address 2112-7th Ave. South

Groot Falls, Montana LICENSE NO. 135

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level) _____

From (Feet)	To (Feet)	
0	3	Broken rock
3	40	Brown shaly rock
40	60	Gray sandrock
63	63	Hard rock seen 63
93	97	Hard gray shale
97	100	Yellow & Pink sand- stone WATER : 100

1.00 Show exact depth of bottom

52,067

5444

STATE OF MONTANA, }
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on
DEC 21 1972

at 8:55 o'clock P.M.

J. L. LENNON

County Clerk and Recorder

By  Deputy

File No.

DUPLICATE

T. 19 R. 3E.

County Cascade

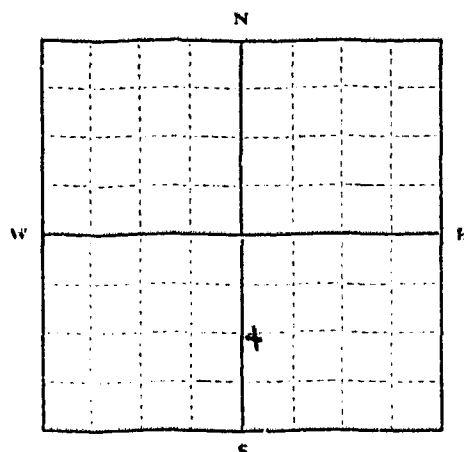
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECEIVED
JAN 2 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961) STATE ENGINEER

1. Ray C. Stanich, of Millegan Route, Crest Falls,
(Name of Appropriator) (Address) (Town)
County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



$\frac{1}{4}$ Sec. 14 T. 19 R. 3E.

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based... home & irrigation, stock watering.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been... approximate date June 1916,
continuous since that time.
4. The amount of groundwater claimed (in miner's inches or gallons per minute)... approximately 1290 gallons per hr.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal... Electric pump, one well
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... exact date unknown, approximately June 1916
8. The depth of water table... 42 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater... One well, 6 inch casing, 48 feet deep
10. The estimated amount of groundwater withdrawn each year... 30,000 gallons yearly. (approximately)
11. The log of formations encountered in the drilling of each well if available... unknown, driller deceased.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Ray C. Stanich

Date

12-30-63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

28020

4035-

UNITED STATES DEPARTMENT OF THE ARMY
HEADQUARTERS, ARMY
WASHINGTON, D. C. 20315
OFFICE OF THE ADJUTANT GENERAL
OFFICE OF THE ADJUTANT GENERAL

DEC 30 1962

12:06 FE

BY Blair
Deputy

File No.

T. 19N R. 3E

DUPLICATE

County Cascade

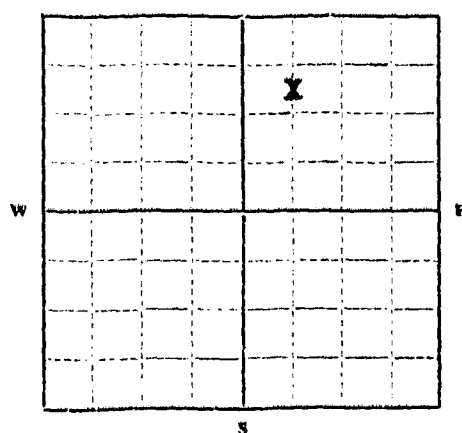
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. The Montana Power Company of 40 East Broadway Butte
(Name of Appropriator) (Address) (Town)
County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Lot 1,
1/4 Sec. 14, T19N R. 3E

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based.....
Domestic consumption and livestock water
3. Date or approximate date of earliest beneficial use; and how con-
tinuous the use has been..... 1900
4. The amount of groundwater claimed (in miner's inches or gallons
per minute)..... Natural spring, estimate one gallon
per minute - 24 hours per day
5. If used for irrigation, give the acreage and description of the lands
to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the
location of each well or other means of withdrawal.....
Natural spring
7. The date of commencement and completion of the construction of the well, wells, or other works for with-
drawal of groundwater..... 1900
8. The depth of water table.....
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other
works for the withdrawal of groundwater.....
10. The estimated amount of groundwater withdrawn each year..... 600,000 gallons per year
11. The log of formations encountered in the drilling of each well if available.....
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including
reference to book and page of any county record.....

(CORPORATE SEAL)

ATTEST:

[Signature]
Its Secretary

THE MONTANA POWER COMPANY

Signature of Owner By

Vice President

Date February 1, 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triuplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

UNITED STATES DEPARTMENT OF THE ARMY
HEADQUARTERS, ARMY
WASHINGTON, D. C. 20315

APR 12 1962

538
L. S. L.

File No.....

DUPLICATE

T 19 M R 3 3 11

County CASCADE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Wm. B. Finlay, Jr. and
Iola B. Finlay (hus. & wife) of Rural Route No. 1, Great Falls,
(Name of Appropriator) (Address) (Town)
County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

Wall location: Approx.
300 ft. N of S line and
700 ft. W of E line of
Sec. 22, T. 19 N.,
R. 3 E. MM.

SE ¼..... Sec.22.. T.9N. R.3..E M1

Indicate point of appropriation
and place of use, if possible.
Each small square represents 10
acres.

2. The beneficial use on which the claim is based Domestic household, stockwater, general farm use, garden irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1954, continuous use thereafter
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Garden in immediate area of well
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electrically powered lift pump
- Completion of the construction of the well, wells, or other works for withdrawal in 1954 (exact date unknown), deepened June 1956
- at
- Location, size and depth of each well or the general specifications of any groundwater Drilled well, 8 inches to 25 ft., 5 ft. cased from surface to 111 ft. with 8 inch balled out to 1 inch at lower end. Casing 111 ft.
- Water withdrawn each year 30,000 gallons
- Location of each well if available No exact log available: shale and sand to 100 ft., shale to 160 ft.
- Signature as may be useful in carrying out the policy of this act, including county record None

Signature of Owner

Date May 5, 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

#3111

STATE OF MONTANA, }
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on
MAY 9 - 1962

Date

at 9:31 o'clock 9 M.

J. L. LENNON

County Clerk and Recorder

By A. C. Michael
Deputy

County Cascade

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the **owner** with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner *Mont. Power Co.*

Address Heat Falls

...mont.

Date well started **Nov. 1 - 1971**

completed Nov. 10-1971

Type of well Drilled, Driven

(Dug, driven, bored or drilled)

Equipment used *Cable... Tools*

(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

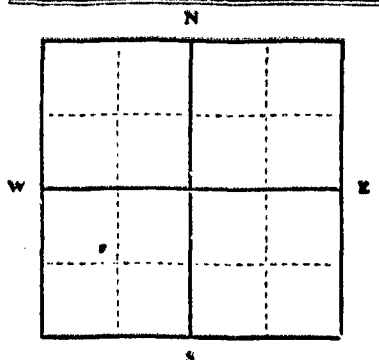
Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

***Describe**

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL 125,000 gallons

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 inch	6 inch D. B. 14 lbs per ft.	Surface	138	None	None	None



Static water level: 70 ft.
Pumping water level: 90 ft.
at 2.8 gallons per minute,
measured 60 minutes after pumping
began.

*Measured from ground level.

Well developed by *Bailer*

for 2 hours.

Power..... Pump..... HP

Remarks: (Gravel packing, cementing, packers, type of shutoff) *None*

N 1/4 SW 1/4 Sec. 22

T. 19 N. R. 3 E.

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.
EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature Thomas B. Franklin

Driller's Address RT. 1. So. Box 561

Bent Falls, Mont.

LICENSE NO...84

Top of Ground

(Elev. above sea level)

[illegible]

140 Show exact depth of bottom

52, 636

5479

STATE OF MONTANA, ss.
County of Cascade.

I hereby certify that the within in-
strument was filed in this office on

APR 5 1913

at _____ o'clock _____ M.
8:14 17

J. L. LENNON

County Clerk and Recorder

[Signature]
Deputy.

22

RECEIVED
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MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION **NOT**
funder

DEPARTMENT OF NATURAL
RESOURCES AND CONSERVATION

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

1. Y, The Montana Power Company....., of 40 East Broadway..... Butte.....
(Name of Appropriator) (Address) (Town)

County of Silver Bow, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is stock watering

(describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed
 25 g.p.m.

The estimated amount of groundwater to be used annually 125,000 gallons

4. The annual period (inclusive dates) of intended use January 1 - December 31

5. The probable or intended date of first beneficial use November 10, 1971

6. The probable or intended date of commencement and completion of the well* or wells*

November 1, 1971 - November 10, 1971

7. The location, type, size and depth of well or wells contemplated NW 1 SW 1 of Section 22
T19 N, R3 E, 6" drilled and driven well 140' deep

8. The probable or estimated depth of the water-table or artesian aquifer 138'

9. The name, address, and license number of the driller engaged Thomas B. Franklin
Great Falls, License No. 84.

10. Give such other similar information as may be useful in carrying out the policy of this act

FILE # 5478

APRIL 5, 1923

APRIL 5, 1923
813 No.

For Administrator's Use	
File	

THE MONTANA POWER COMPANY

By WW Tallott

By W. W. Talbott
W. W. Talbott Vice President
Signature of Appropriator

NW..... $\frac{1}{4}$ SW..... $\frac{1}{4}$ Sec22.....

19 N R 3 E
15 W

LOCATE WELL OR OTHER MEANS OF
DEVELOPMENT AS ACCURATELY AS
POSSIBLE ON THE PLAT.

Date 3-30-1979

*As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressure or is artificially withdrawn.

52,835

5478

STATE OF MONTANA,)
County of Cascade,) ss.

I hereby certify that the within in-
strument was filed in this office on
APR 2 1973

8:12 AM 17

J. E. LUTHER

County Clerk and Recorder

By H. E. B. B. B.
Recorder

County Cascade

RECEIVED

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

JUL 10 1973

MONTANA DEPARTMENT OF NATURAL
RESOURCES

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION
Developed After January 1, 1962

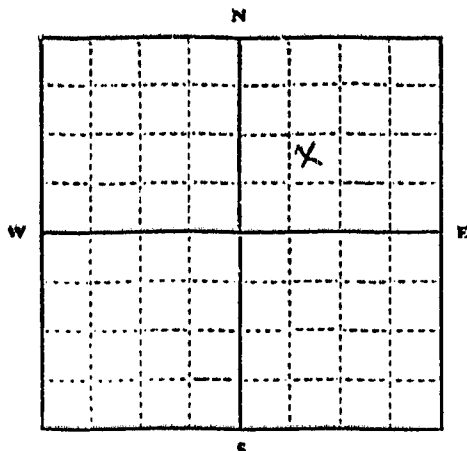
(Under Chapter 237, Montana Session Laws, 1961, as amended)

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the wells are located.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

For Administrator's Use	
File	<u>5580</u>
	<u>6-29-73</u>
GW 1	<u>514 Central Ave</u>



NE 1/4 SW 1/4 Sec. 23

T. 19N N R. 3E E
S W

INDICATE POINT OF APPROPRIATION
AND PLACE OF USE, IF POSSIBLE.
Elevation of spring, if known or esti-
mated

Owner Dundas Office Supply Inc

Address 514 Central Ave

Contractor (if any) none

Address of Contractor none

Date Started _____ Date Completed _____

1. Describe means of obtaining groundwater (as by sub-irrigation,
developed spring, drains, etc.)

Developed spring

2. Means of withdrawing water (gravity, pump, canal, etc.)

gravity to holding tank - pump to hose

3. Depth of water table Unknown

4. Use of the water irrigation - Household - livestock

5. Amount of groundwater claimed (in miner's inches or gallons
per minute) 15 GAL per min

6. If used for irrigation, give number of acres and description
of land Sprinkle Lawn & Garden

7. Estimate amount of water used each year

40000 gnl

8. Months of year spring flows 12 months

Signature of Owner Dundas Office Supply Inc
Roger & Betty Nielsen

Date 6-29-73

5580

STATE OF MONTANA, }
County of Cascade.

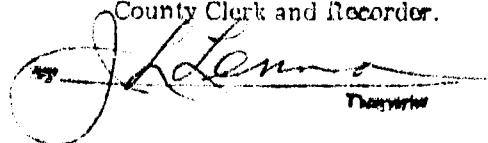
I hereby certify that the within in-
strument was filed in this office on

JUN 29 1973

at 3:37 ^{Data} o'clock P M.

J. L. LEMMON

County Clerk and Recorder.


The Clerk

File No.

T. R.

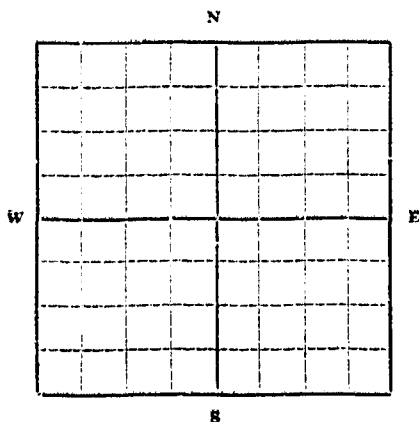
DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Steve Enott of Eden Route Great Falls
(Name of Appropriator) (Address) (Town)
County of _____ State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 SW Sec 24 T19 R3E

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Lime stock + House hold use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1915 - Continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3 gallons minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1915
8. The depth of water table 90 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 80 feet - 6 inch casing
10. The estimated amount of groundwater withdrawn each year 109,560 gallons
11. The log of formations encountered in the drilling of each well if available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Date

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

27830

3842

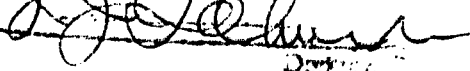
STATE OF MONTANA, ss.
County of Cascade

I hereby certify that the within in-
strument was filed in this office on
DEC 27 1963

at 1:26 o'clock

J. L. LANNON

County Clerk and Recorder

By  Deputy

File No.

T. R.

DUPLICATE

County.

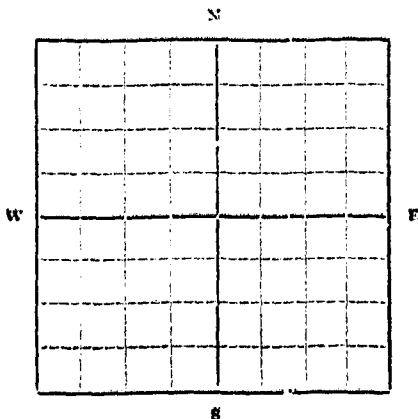
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Steve Ennelt of Eden Route Great Falls
(Name of Appropriator) (Address) (Town)

County of Cascade State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec 24 T. 19 R. 3E

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Truck water
house hold use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1897 - Continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 miner's inches

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Small
Free Flowing Springs

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater

8. The depth of water table

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater

10. The estimated amount of groundwater withdrawn each year

11. The log of formations encountered in the drilling of each well if available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Steve Ennelt

Date Dec 27 63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

3843

STATE OF MONTANA, }
County of Cascade, } ss.

I hereby certify that the within in-
strument was filed in this office on
JAN 27 1908

1-27

J. J. O'Connor

File No.

DUPLICATE

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

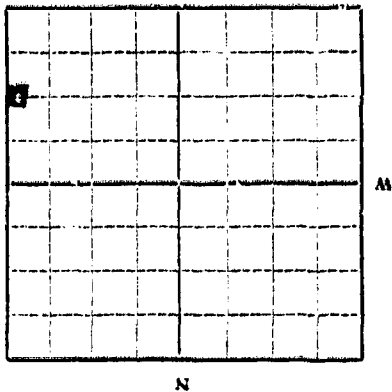
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Name of Appropriator
State of Montana
(Address)
(Town)

County of
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec 24 T 19 R 3E
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based

3. Date or approximate date of earliest beneficial use; and how continuous the use has been

4. The amount of groundwater claimed (in miner's inches or gallons per minute)

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
8. The depth of water table
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater

10. The estimated amount of groundwater withdrawn each year
11. The log of formations encountered in the drilling of each well if available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quaduplicate for the Appropriator.

37832

3844

STATE OF MONTANA, }
County of Cascade. }

I hereby certify that the within in-
strument was filed in this office on
DEC 27 1966

at 1:28 o'clock P.M.

J. E. LUTHER

County Clerk & Recorder

J. J. Johnson

File No.

T. 17 R. 50

DUPLICATE

County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

RECORDED
JAN 9 1964

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

Owner Hugh Hastings Address Millegan Ave.
Great Falls, MONT

Contractor (if any)

Address of Contractor

Date Started Date Completed

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable

Spring#2 NW 1/4 NE 1/4 Sec 4 T18N R3E3. E 1/2 NE 1/4 Sec 35 T9N R2E

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

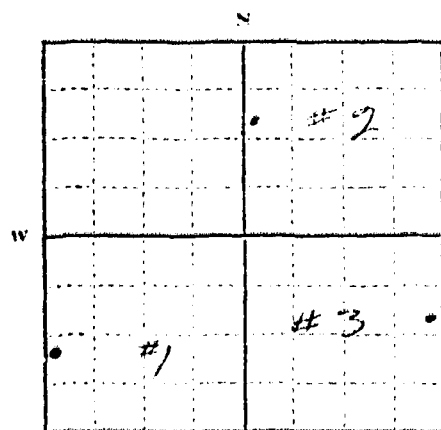
estimate approximate lengths of periods of use Steady7 gal/min.Signature of Owner H. H. HastingsDate 12-23-63

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.



#1 / SW 1/4 Sec 18 T18N R3E
Indicate point of appropriation
and place of use, if possible.

4138

STATE OF MONTANA,) ss.
County of Cascade.)

I hereby certify that the within in-
strument was filed in this office on

DEC 30 1952
Date
at 2:35 o'clock P.M.

J. L. LENNON
County Clerk and Recorder.

By [Signature]
Deputy.